=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:22:10 ON 10 JUL 2006

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 JUL 2006 HIGHEST RN 891170-23-3
DICTIONARY FILE UPDATES: 9 JUL 2006 HIGHEST RN 891170-23-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

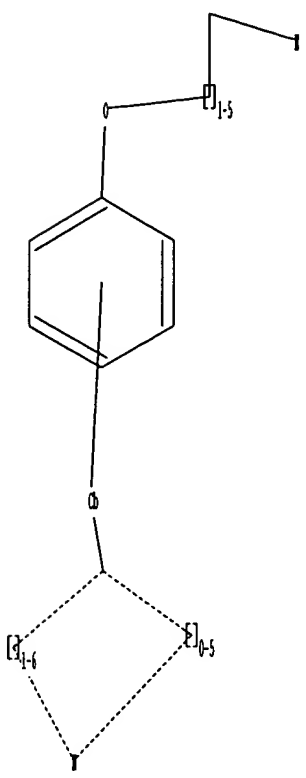
TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

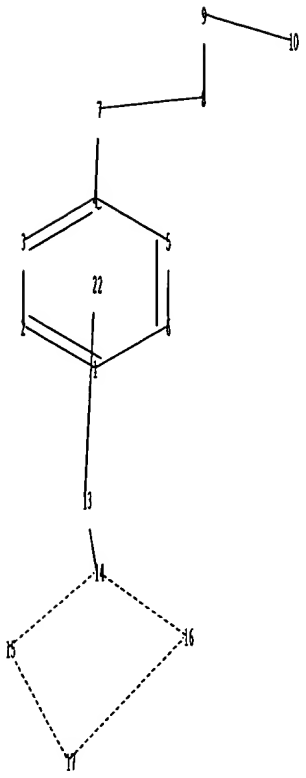
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\09922631.str





chain nodes :
7 8 9 13
ring nodes :
1 2 3 4 5 6 10 14 15 16 17
chain bonds :
4-7 7-8 8-9 9-10 13-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 14-15 14-16 15-17 16-17
exact/norm bonds :
4-7 7-8 9-10 14-15 14-16 15-17 16-17
exact bonds :
8-9 13-14
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 : 14 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom
13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 22:Atom

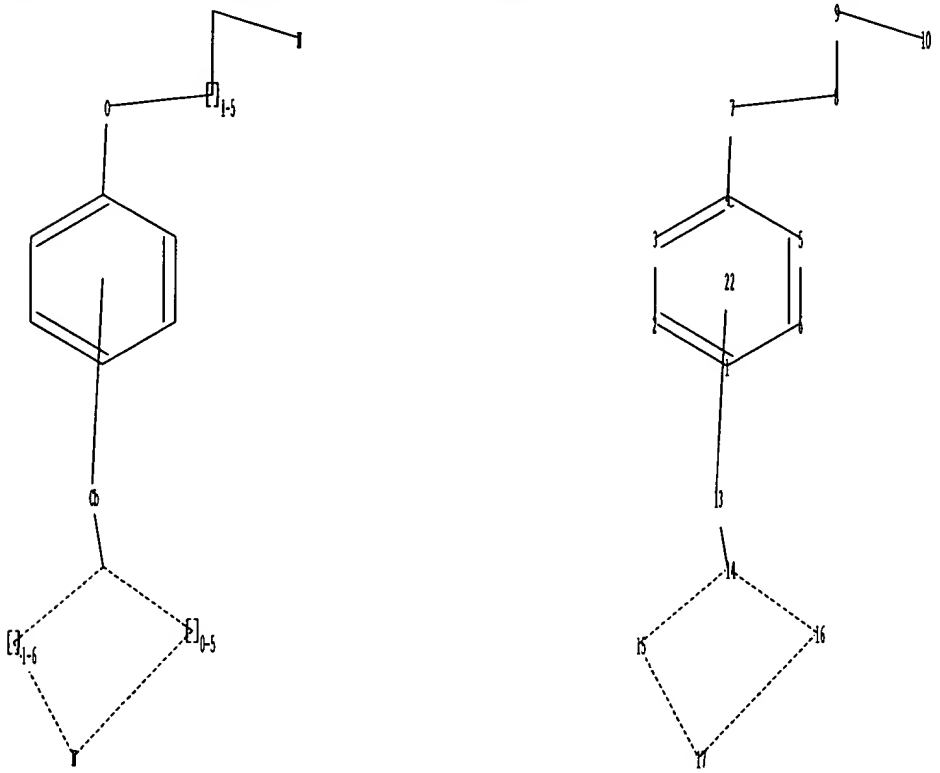
L1 STRUCTURE UPLOADED

=> D
L1 HAS NO ANSWERS
L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\09922631.str



chain nodes :
7 8 9 13
ring nodes :
1 2 3 4 5 6 10 14 15 16 17
chain bonds :
4-7 7-8 8-9 9-10 13-14
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 14-15 14-16 15-17 16-17
exact/norm bonds :
4-7 7-8 9-10 14-15 14-16 15-17 16-17
exact bonds :
8-9 13-14
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 : 14 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:Atom
13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 22:Atom

L2 STRUCTURE UPLOADED

=> D
L2 HAS NO ANSWERS
L2 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> S L1
SAMPLE SEARCH INITIATED 08:23:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 20297 TO ITERATE

9.9% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 397412 TO 414468
PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1

=> S L1 FULL
FULL SEARCH INITIATED 08:23:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 407702 TO ITERATE

100.0% PROCESSED 407702 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.06

L4 7 SEA SSS FUL L1

=> FILE CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	167.38	167.59

FILE 'CAPLUS' ENTERED AT 08:23:32 ON 10 JUL 2006

FILE COVERS 1907 - 10 Jul 2006 VOL 145 ISS 3

09922631 7/10/06

FILE LAST UPDATED: 9 Jul 2006 (20060709/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> S L4
L5 2 L4

=> D IBIB ABS HITSTR TOT

09922631 7/20/06

=> LOGOFF
ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	10.68	178.27

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.50	-1.50

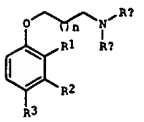
STN INTERNATIONAL LOGOFF AT 08:23:57 ON 10 JUL 2006

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:122980 CAPLUS
DOCUMENT NUMBER: 136:183708
TITLE: Preparation of non-imidazole aryloxyalkylamines as histamine H3 receptor antagonists
INVENTOR(S): Apodaca, Richard; Carruthers, Nicholas I.; Dvorak, Curt A.; Rudolph, Dale A.; Shah, Chandravadan R.; Xiao, Wei
PATENT ASSIGNEE(S): Ortho McNeil Pharmaceutical Inc., USA
SOURCE: PCT Int. Appl., 155 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

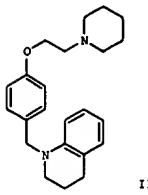
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002012214	A2	20020214	WO 2001-US24655	20010806
WO 2002012214	A3	20020620		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2418369	AA	20020214	CA 2001-2418369	20010806
AU 2001084733	A5	20020218	AU 2001-84733	20010806
US 2002065278	A1	20020530	US 2001-922631	20010806
EP 1313721	A2	20030528	EP 2001-963813	20010806
EP 1313721	B1	20060308		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004505960	T2	20040226	JP 2002-518191	20010806
BR 2001013162	A	20040406	BR 2001-13162	20010806
ZA 2003001853	A	20040621	ZA 2003-1853	20030306
ZA 2003001854	A	20040621	ZA 2003-1854	20030306

PRIORITY APPLN. INFO.: US 2000-223768P P 20000808
US 2001-922631 A 20010806
WO 2001-US24655 W 20010806
OTHER SOURCE(S): MARPAT 136:183708
GI

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



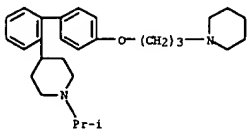
I



II

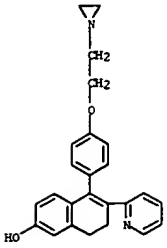
AB Title compds. I [Ra-b = alk(en/yn)yl, cycloalkyl; n = 0-4; one of R1-3 = G and the remaining two are H or halo; G = N-containing heterocycle, e.g., piperidinyl, etc.] were prepared For instance, 4-(2-(piperidin-1-yl)ethoxy)benzaldehyde was used to alkylate 1,2,3,4-tetrahydroisoquinoline (ClCH2CH2Cl, HOAc, NaBH(OAc)3, 15 h) to give II. II had Ki = 37 nM for the histamine H3 receptor. I are useful for treating histamine-mediated conditions.
IT 398473-86-4P, 1-[3-[2'-(1-Isopropylpiperidin-4-yl)biphenyl-4-yloxy]propyl]piperidine
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug; preparation of non-imidazole aryloxyalkylamines as histamine-H3 receptor antagonists)
RN 398473-86-4 CAPLUS
CN Piperidine, 1-(1-methylethyl)-4-[4'-[3-(1-piperidinyl)propoxy][1,1'-biphenyl]-2-yl]- (9CI) (CA INDEX NAME)

L5 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

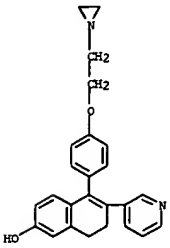


L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:88839 CAPLUS
DOCUMENT NUMBER: 126:157371
TITLE: 1-Aryl-2-pyridyl-3,4-dihydronaphthalenes: Photofluorogenic Ligands for the Estrogen Receptor
AUTHOR(S): Scribner, Andrew W.; Haroutounian, Serkos A.; Carlson, Kathryn E.; Katzenellenbogen, John A.
CORPORATE SOURCE: Department of Chemistry, University of Illinois, Urbana, IL, 61801, USA
SOURCE: Journal of Organic Chemistry (1997), 62(4), 1043-1057
CODEN: JOCEAH; ISSN: 0022-3263
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Three 1,2-substituted-3,4-dihydronaphthalenes that are pyridine analogs of the antiestrogen desmethylnafoxidine were prepared and evaluated as fluorescent ligands for the estrogen receptor. These compds. represent a class of fluorescent probes that we term "photofluorogenic", denoting their ability to exist initially as a high affinity though weakly fluorescent stilbazole form which can be photocyclized-oxidized to a highly fluorescent though low affinity azaphenanthrenoid form. These probes also contain an aziridine function that provides a means for their permanent, covalent attachment to the receptor. The three dihydronaphthalene systems were prepared by efficient routes from α-(2-, 3-, and 4-pyridyl)acetophenone precursors. They demonstrate high apparent affinity for the estrogen receptor and show time-dependent irreversible inactivation, consistent with their covalent attachment to the receptor via the aziridine function. Each system is converted into an azaphenanthrene by photocyclization-oxidation of the cis-stilbazole unit. The absorbance and fluorescence emission spectra of the dihydronaphthalene precursors and azaphenanthrene products have been characterized, and they display marked sensitivity to both solvent polarity and pH. The azaphenanthrenoids derived from the 2- and 4-pyridyl isomers exhibit intense emission at wavelengths that exceed 500 nm under certain conditions and appear to be well suited as fluorescent probes for the estrogen receptor.
IT 186970-23-0P 186970-25-2P 186970-27-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of pyridyldihydronaphthalenes as photofluorogenic ligands for the estrogen receptor)
RN 186970-23-0 CAPLUS
CN 2-Naphthalenol, 5-[4-[2-(1-aziridinyl)ethoxy]phenyl]-7,8-dihydro-6-(2-pyridinyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

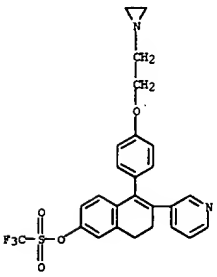


RN 186970-25-2 CAPLUS
CN 2-Naphthalenol, 5-[4-[2-(1-aziridinyl)ethoxy]phenyl]-7,8-dihydro-6-(3-pyridinyl)- (9CI) (CA INDEX NAME)

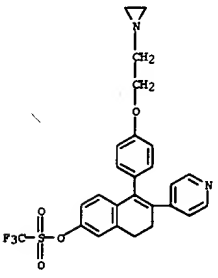


RN 186970-27-4 CAPLUS
CN 2-Naphthalenol, 5-[4-[2-(1-aziridinyl)ethoxy]phenyl]-7,8-dihydro-6-(4-pyridinyl)- (9CI) (CA INDEX NAME)

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

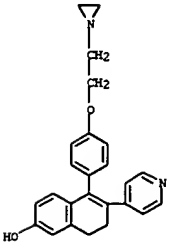


RN 186970-83-2 CAPLUS
CN Methanesulfonic acid, trifluoro-, 5-[4-[2-(1-aziridinyl)ethoxy]phenyl]-7,8-dihydro-6-(4-pyridinyl)-2-naphthalenyl ester (9CI) (CA INDEX NAME)

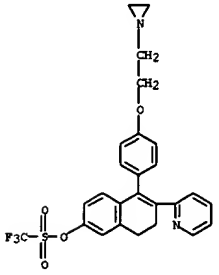


REFERENCE COUNT: 69 THERE ARE 69 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



IT 186970-79-6P 186970-81-0P 186970-83-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyridyldihydronaphthalenes as photofluorogenic ligands for
the estrogen receptor)
RN 186970-79-6 CAPLUS
CN Methanesulfonic acid, trifluoro-, 5-[4-[2-(1-aziridinyl)ethoxy]phenyl]-7,8-dihydro-6-(2-pyridinyl)-2-naphthalenyl ester (9CI) (CA INDEX NAME)



RN 186970-81-0 CAPLUS
CN Methanesulfonic acid, trifluoro-, 5-[4-[2-(1-aziridinyl)ethoxy]phenyl]-7,8-dihydro-6-(3-pyridinyl)-2-naphthalenyl ester (9CI) (CA INDEX NAME)